

EXPRESS MAIL LABEL NO. EV314045549US  
DATED: 30 OCTOBER 2003

ATTORNEY DOCKET: MICI 1001-2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of Inventor:  
C. Brent Dane et al.

Group Art Unit: unknown  
Examiner: unknown

Application No. \_\_\_\_\_

Filed: 30 October 2003 (Herewith)

CUSTOMER NO. 22470

Title: **Self-Seeded Single-Frequency Solid-State  
Ring Laser, and Single-Frequency Laser  
Peening Method and System Using Same**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.56

Sir:

It is requested that the information identified in this statement be considered by the Examiner and made of record in the above-identified application. This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56.

Enclosed with this statement is a Form PTO-SB/08. The Examiner is requested to initial the form and return it to the undersigned in accordance with M.P.E.P. 609.

Also enclosed with this statement is a copy of each cited document as required by 37 C.F.R. 1.98. The exception to this, in accordance with the 05 August 2003 Official Gazette Notice in which the USPTO waives the requirement for submitting copies of U.S. Patent and Publications for cases filed after 30 June 2003, is that copies of U.S. Patent documents and copies of U.S. Patent publications are not being submitted.

If a written English-language translation of a non-English language document, or portion thereof, is within the possession, custody or control of, or is readily available to any individual designated in 1.56(c), a copy of the translation accompanies this statement, 37 C.F.R. 1.98(a)(3)(ii), and satisfies the requirement for a concise explanation of relevance, MPEP 609A(3).

This statement should be considered under 37 C.F.R. 1.97(b) because it is being filed within three months of the filing date of an application other than a continued prosecution application under 37 C.F.R. 1.53(d).

**Fee Authorization.** The Commissioner is hereby authorized to charge underpayment of any additional fees or credit any overpayment associated with this communication to Deposit Account No. 50-0869 (MICI 1001-2). A copy of this authorization is enclosed.

Respectfully submitted,  
HAYNES BEFFEL & WOLFELD LLP

Date: 30 Oct 2003

By: 

Mark A. Haynes, Reg. No. 30,846

HAYNES BEFFEL & WOLFELD LLP  
P.O. Box 366  
Half Moon Bay, CA 94019  
Telephone: (650) 712-0340  
Facsimile: (650) 712-0263

EXPRESS MAIL LABEL NO. EV314045549US  
DATED: 30 OCTOBER 2003

ATTORNEY DOCKET: MICI 1001-2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of Inventor:  
**C. Brent Dane et al.**

Application No. \_\_\_\_\_

Filed: **30 October 2003 (Herewith)**

Title: **Self-Seeded Single-Frequency Solid-State  
Ring Laser, and Single-Frequency Laser  
Peening Method and System Using Same**

Group Art Unit: unknown  
Examiner: unknown

**CUSTOMER NO. 22470**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.56**

Sir:

It is requested that the information identified in this statement be considered by the Examiner and made of record in the above-identified application. This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56.

Enclosed with this statement is a Form PTO-SB/08. The Examiner is requested to initial the form and return it to the undersigned in accordance with M.P.E.P. 609.

Also enclosed with this statement is a copy of each cited document as required by 37 C.F.R. 1.98. The exception to this, in accordance with the 05 August 2003 Official Gazette Notice in which the USPTO waives the requirement for submitting copies of U.S. Patent and Publications for cases filed after 30 June 2003, is that copies of U.S. Patent documents and copies of U.S. Patent publications are not being submitted.

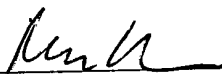
If a written English-language translation of a non-English language document, or portion thereof, is within the possession, custody or control of, or is readily available to any individual designated in 1.56(c), a copy of the translation accompanies this statement, 37 C.F.R. 1.98(a)(3)(ii), and satisfies the requirement for a concise explanation of relevance, MPEP 609A(3).

This statement should be considered under 37 C.F.R. 1.97(b) because it is being filed within three months of the filing date of an application other than a continued prosecution application under 37 C.F.R. 1.53(d).

**Fee Authorization.** The Commissioner is hereby authorized to charge underpayment of any additional fees or credit any overpayment associated with this communication to Deposit Account No. 50-0869 (MICI 1001-2). A copy of this authorization is enclosed.

Respectfully submitted,  
HAYNES BEFFEL & WOLFELD LLP

Date: 30 Oct 2003

By:   
Mark A. Haynes, Reg. No. 30,846

HAYNES BEFFEL & WOLFELD LLP  
P.O. Box 366  
Half Moon Bay, CA 94019  
Telephone: (650) 712-0340  
Facsimile: (650) 712-0263

Please type a plus sign (+) inside this box → +

PTO/SB/08A (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>			<b>Complete If Known</b>		
			Application Number		
			Filing Date		
			First Named Inventor		
			Group Art Unit		
			Examiner Name		
Attorney Docket Number			MICI 1001-2		
Sheet	1	of	2		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	A1	4,401,477		Clauer et al.	08-30-1983	
	A2	4,937,421		Ortiz, Jr., et al.	06-26-1990	
	A3	5,022,033		Hackell	06-04-1991	
	A4	5,075,893		Epstein et al.	12-24-1991	
	A5	5,127,019		Epstein et al.	06-30-1992	
	A6	5,131,957		Epstein et al.	07-21-1992	
	A7	5,239,408		Hackel et al.	08-24-1993	
	A8	5,525,429		Mannava et al.	06-11-1996	
	A9	5,569,018		Mannava et al.	10-29-1996	
	A10	5,571,575		Takayanagi	11-05-1996	
	A11	5,674,328		Mannava et al.	10-07-1997	
	A12	5,674,329		Mannava et al.	10-07-1997	
	A13	5,741,559		Dulaney	04-21-1998	
	A14					
	A15					
	A16					
	A17					
	A18					
	A19					
	A20					

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>				
	B1		JP7246483		Toshiba Corp	09-26-1995	
	B2						
	B3						
	B4						
	B5						
	B6						
	B7						
	B8						
	B9						
	B10						

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>8</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → +

PTO/SB/08B (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031  
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<p>Substitute for form 1449B/PTO</p> <h2 style="margin: 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="margin: 0;">(use as many sheets as necessary)</p>			<b>Complete if Known</b>													
Sheet	2	of	2	<table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="width: 50%;">Application Number</td><td style="width: 50%;"></td></tr><tr><td>Filing Date</td><td>30 October 2003 (herewith)</td></tr><tr><td>First Named Inventor</td><td>C. Brent Dane et al.</td></tr><tr><td>Group Art Unit</td><td></td></tr><tr><td>Examiner Name</td><td></td></tr><tr><td>Attorney Docket Number</td><td>MICI 1001-2</td></tr></table>	Application Number		Filing Date	30 October 2003 (herewith)	First Named Inventor	C. Brent Dane et al.	Group Art Unit		Examiner Name		Attorney Docket Number	MICI 1001-2
Application Number																
Filing Date	30 October 2003 (herewith)															
First Named Inventor	C. Brent Dane et al.															
Group Art Unit																
Examiner Name																
Attorney Docket Number	MICI 1001-2															

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	C1	AUERBACH, J.M., et al., "Diode-pumped monolithic Nd:YLF 1.053 $\mu$ m mini-laser and its application to injection seeding," Solid State Lasers SPIE 1223 (1990) 133-141.	
	C2	DANE, C. B., et al., "Design and Operation of a 150 W Near Diffraction-Limited Laser Amplifier with SBS Wavefront Correction," IEEE Journal of Quantum Electronics 31(1) (January 1995), 148-163.	
	C3	DANE, C.B., et al., "Solid State Laser for X-Ray Lithography," Winter Colloquium on Quantum Electronics, Snowbird, UT (06 January 1991) 11 pages.	
	C4	HANNA, D.C., et al., "Single longitudinal mode selection of high power actively Q-switched lasers," Opto-Electronics 4 (1972), 249-256.	
	C5	PARK, Y.K., et al., "Single Axial Mode Operation of a Q-Switched Nd:YAG Oscillator by Injection Seeding," IEEE Journal of Quantum Electronics 20(2) (February 1984), 117-125.	
	C6	PARK, Y.K., et al., "Electronic Linewidth Narrowing Method for Single Axial Mode Operation of Q-Switched Nd:YAG Lasers," Optics Communications 37(6) (15 June 1981), 411-416.	

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.